



Volkswagen

Touareg

Specifications



Features and Specifications

Safety and Security	150TDI	150TDI Element	V6 TDI	V8 TDI R-Line
Airbags				
Driver and front passenger airbags	S	S	S	S
Driver and front passenger side airbags	S	S	S	S
Driver's knee airbag	S	S	S	S
Outer rear seat passenger side airbags	S	S	S	S
Curtain airbags, front and rear	S	S	S	S
Rollover sensor system	S	S	S	S
Anti-theft				
Alarm system with interior monitoring, tilt sensor and central locking SAFELock deadlock mechanism	—	S	S	S
Electronic engine immobiliser	S	S	S	S
Body				
Door side impact protection	S	S	S	S
Fully galvanised, unitary constructed body with rigid safety cell and front and rear programmed crumple zones	S	S	S	S
12 year anti-corrosion perforation warranty	S	S	S	S
Brakes				
Automatic flashing brake lights activated in emergency braking situation	S	S	S	S
Anti-lock Braking System (ABS)	S	S	S	S
Electronic Brake-pressure Distribution (EBD)	S	S	S	S
Brake Assist	S	S	S	S
Electro-mechanical parking brake	S	S	S	S
Auto Hold function and Hill Hold Assist	S	S	S	S
Multi-collision brake	S	S	S	S
First Aid kit				
	A	A	A	A
Head restraints				
Front safety optimised head restraints	S	S	S	S
Front head restraints height adjustable	S	S	S	S
Front head restraints longitudinal adjustable	S	S	S	S
Rear adjustable and removable (3)	S	S	S	S
Incorrect Fuel Filling Prevention				
	S	S	S	S

Safety and Security (continued)	150TDI	150TDI Element	V6 TDI	V8 TDI R-Line
Lighting				
LED daytime driving lights	S	S	S	S
Front fog lights with static cornering lights, mounted in lower bumper	S	S	S	S
LED rear taillights	—	—	—	S
Rear fog lamp	S	S	S	S
LED rear registration plate light	S	S	S	S
Entry/warning reflectors in rear doors	S	S	S	S
Locking				
Remote central locking	S	S	S	S
Keyless Access, keyless entry and starting system including starter button	—	S	S	S
2 stage unlocking (programmable)	S	S	S	S
Automatic locking after takeoff (programmable)	S	S	S	S
One touch lock / unlock for driver and front passenger	S	S	S	S
Electrically operated child safety lock for rear doors	S	S	S	S
Seat belts				
Front height adjustable	S	S	S	S
Pre-tensioners for front and outer rear passengers	S	S	S	S
Belt force limiters for driver and front passenger	S	S	S	S
Warning buzzer and light for driver and front passenger seat belt not fastened	S	S	S	S
3 point seat belts for all passengers	S	S	S	S
Child seat anchor points mounted on rear seat (3)	S	S	S	S
ISOFIX child seat anchorage points, outer rear seats	S	S	S	S
Traction control				
Anti-Slip Regulation (ASR)	S	S	S	S
Electronic Differential Lock (EDL)	S	S	S	S
Electronic Stabilisation Program (ESP) with active rollover protection function	S	S	S	S
Engine Braking Control (EBC)	S	S	S	S
Off-road function with Anti-lock Braking System (ABSplus) and Hill Descent Assist	S	S	S	S
4MOTION permanent all wheel drive	S	S	S	S

Exterior Equipment / Styling	150TDI	150TDI Element	V6 TDI	V8 TDI R-Line
Body enhancements				
Body coloured door handles and exterior mirrors	S	S	S	S
Body coloured lower body side and bumper trim	S	S	S	S
Chrome radiator grille highlights	S	S	S	S
Chrome trim around side window frames	S	S	S	S
Chrome lower body side mouldings and rear bumper step	S	S	S	S
Dual triangular chrome exposed exhaust tail pipes, left and right	S	S	S	S
Front bumper centre lower air intake with chrome highlights	S	S	S	S
R-Line exterior body styling, front and rear bumpers, side sills and rear roof spoiler	—	—	—	S
R-Line exterior badging on front side panels	—	—	—	S
Paint				
Metallic or Pearl Effect paint finish	O	O	O	S
Protection				
Mudflaps, front and rear	A	A	A	—
Slimline weather shields	A	A	A	A
Roof				
Roof rails, chrome	S	S	S	S
Roof cross bars	A	A	A	A
Bicycle, ski, surfboard, snowboard and kayak holders	A	A	A	A
Roof Box Range – 340 and 460 litre volume	A	A	A	A
Urban loader box – 300 to 500 litre volume expandable	A	A	A	A
Towbar				
Tow bar, Horizontal hitch design	A	A	A	A
Wheels				
Alloy wheels (Arica) 18 x 8" with 255/55 R18 tyres (4)	S	—	—	—
Alloy wheels (Yukon) 18 x 8" with 255/55 R18 tyres (4)	—	S	—	—
Alloy wheels (Masafi) 20 x 9" with 275/45 R20 tyres (4)	—	—	S	—
Alloy wheels (Mallory) 21 x 9.5" with 275/40 R21 tyres (4)	—	—	—	S
Chrome wheel bolt covers	S	S	S	S
Anti-theft wheel bolts	S	S	S	S
Weight and space saving steel spare wheel	S	S	S	S
Electric air compressor	S	S	S	S
Tyre pressure monitoring system	—	—	—	S
Window glass				
Heat insulating tinted glass	S	S	S	S
Dark tinted rear side windows and rear window, 65% light absorbing	—	S	—	S
Sunblind for rear side window	A	A	A	A
Sunblind for rear window	A	S	A	A

Comfort and Convenience	150TDI	150TDI Element	V6 TDI	V8 TDI R-Line
Air conditioning				
Dual zone automatic climate control air conditioning	S	S	S	—
4 zone automatic climate control air conditioning	—	—	—	S
Air quality sensor with automatic air recirculation	S	S	S	S
Dust and pollen filter	S	S	S	S
Climate zone synchronisation	S	S	S	S
Residual heat mode (REST)	S	S	S	S
Armrests				
2 Part front centre armrest, adjustable with integrated storage compartment	S	S	S	S
Rear seat centre armrest, foldable including cup holders (2)	S	S	S	S
Cruise control				
Cruise Control	S	S	S	S
Adaptive Cruise Control*	—	—	P	S
Cup holders				
Front (2)	S	S	S	S
Rear (2)	S	S	S	S
Bottle holders in front door pockets	S	S	S	S
Driver assistance systems				
Air suspension with adaptive dampening control	—	—	S	S
Area View, front, side and rear cameras to provide 360 degree exterior view	—	—	S	S
Driver Fatigue Detection* system	S	S	S	S
Optical Parking System (OPS) in radio/navigation display	S	S	S	S
Parking distance sensors, front and rear with acoustic warning and audio volume level reduction when sensor warning is activated	S	S	S	S
Adaptive Cruise Control (ACC)*	—	—	P	S
Front Assist function with City Emergency Brake function (City EB)*	—	—	P	S
Side Assist, lane changing assistance*	—	—	P	S
Lane Assist, lane departure warning system*	—	—	P	—
Proactive occupant protection system	—	—	P	S
Rear View Camera (RVC)* Plus with dynamic guidance lines	S	S	S	S
Floor mats				
Front and rear, carpet	S	S	S	S
Rubber mats, front and rear	A	A	A	A
Fuel filler flap				
Fuel filler flap lock/unlock by remote, push to open	S	S	S	S
100 litre fuel tank capacity	—	—	S	S

*Safety technologies are not a substitute for the driver's responsibility of the vehicle

Comfort and Convenience (continued)	150TDI	150TDI Element	V6 TDI	V8 TDI R-Line
Grab handles				
Soft fold away grab handles	S	S	S	S
Headlights				
Bi-Xenon headlights for high and low beam with dynamic cornering lights, LED daytime driving lights integrated in headlight housing, automatic self-levelling and headlight cleaning system	S	S	S	S
Headlight setting rotary switch with front and rear fog light switches	S	S	S	S
Coming / leaving home function	S	S	S	S
Low light sensor with automatic headlight function	S	S	S	S
In car entertainment and technology				
Multi-Function Vehicle Display – climate control settings, vehicle service information, audio and convenience settings	S	S	S	S
Audio controls mounted on steering wheel	S	S	S	S
Auxiliary input socket for external audio source in centre console	S	S	S	S
Media Device Interface (MDI), located in centre console and supplied with USB and auxiliary input connection cables	S	S	S	S
Bluetooth® phone connectivity with phonebook display, operation via touch screen audio unit or MFD Premium with Bluetooth® audio streaming	S	S	S	S
Dynaudio Confidence 620W premium audio system, 12 channel digital amplifier and 12 speakers	—	—	—	S
Satellite navigation system (RNS850) High-resolution multi-colour 8 inch touch screen black gloss finish display in 16:9 format, 2D, topographical and 3D (bird's eye) map views, voice control for navigation and radio functions, integrated 60GB hard drive for storing music and navigation data, two SDHC compatible SD card slots and single DVD drive for the playback of audio and video files, including but not limited to MP3, MP4, AVI, WMA, WMV, MPEG, AAC (iPod® format)	S	S	S	S
Instrumentation				
Speedometer and tachometer, electronic odometer and tripmeter, service interval display, digital clock, fuel, coolant & oil temperature gauges and low fuel warning light	S	S	S	S
Interior highlights				
Chrome trim surrounding instrument dials and gear lever	S	S	S	S
Door sill scuff plates in stainless steel with R-Line Logo	—	—	—	S
Leather gear shift knob with aluminium insert	S	S	S	S
Stainless steel finish brake and accelerator pedals	—	—	—	S
Silver Metallic and black gloss inserts in dashboard, console and doors	S	S	—	—
Sapelli Mahagoni ornamental wood inserts in dashboard, centre console and doors with brushed aluminium surrounds	—	—	S	—
Aluminium 'Silver Lane' decorative inserts in dashboard, console and doors	—	—	—	S
Interior lighting				
Passenger reading lights, front and rear with time delay	S	S	S	S
Foot well lighting front and rear	S	S	S	S

Comfort and Convenience (continued)	150TDI	150TDI Element	V6 TDI	V8 TDI R-Line
Luggage compartment				
Net partition, rear seat backrest to roof lining	S	S	S	S
Elastic storage straps	S	S	S	S
Extendable luggage cover	S	S	S	S
Luggage compartment lights	S	S	S	S
Luggage net	S	S	S	S
Luggage mat, reversible (carpet and rubber) and removable	S	S	S	S
Rear seat backrest remote release	S	S	S	S
12 volt socket	S	S	S	S
Shopping bag hook	S	S	S	S
Mirrors				
Automatic dimming interior rear-view mirror	S	S	S	S
Electrically heated, foldable and adjustable exterior mirrors, automatically dimming on driver's side with environment lighting	S	S	S	S
Electrically heated, foldable and adjustable exterior mirrors, automatically dimming on driver's side with environment lighting and memory	—	—	S	S
Automatic kerb view function when reversing, passenger's side exterior mirror	—	—	S	S
LED turn indicators mounted in exterior mirrors	S	S	S	S
Power steering				
Hydraulic, vehicle speed and steering input sensitive	S	S	S	S
Seating				
Comfort front seats	S	S	S	—
Comfort sports front seats	—	—	—	S
Electrically adjustable front seats, 14-way adjustment including electric lumbar adjustment and electro-pneumatic side bolsters	S	S	S	S
Individually heated front seats	S	S	S	S
Heated rear outer seats	—	—	—	S
Driver and front passenger seats with 3 position memory function	—	—	S	S
Rear seat bench asymmetrically split and folding, longitudinally sliding with recliner adjustment, centre armrest and load-through provision	S	S	S	S
Rear seat remote release from luggage compartment	S	S	S	S
Steering wheel				
Height and reach adjustable	S	S	S	S
Electric height and reach adjustable with memory	—	—	S	S
Leather rimmed 3 spoke multi-function steering wheel	S	S	S	S
Heated leather rimmed 3 spoke multi-function steering	—	S	—	S
Heated leather rimmed 3 spoke multi-function steering wheel with R-Line logo	—	—	—	S
Multi-Function Display (MFD Premium), telephone and audio controls	S	S	S	S
Gear shift selection paddles	—	S	—	S

Comfort and Convenience (continued)	150TDI	150TDI Element	V6 TDI	V8 TDI R-Line
Storage				
Central compartment on the dash panel with lid	S	S	S	S
Centre console tray and 12 volt socket with lid	S	S	S	S
Chillable glove box with illumination, lockable	S	S	S	S
Drawer under driver's seat	S	S	S	S
Drawer under front passenger seat	S	S	S	S
Front seat backrest nets	S	S	S	S
Front door pockets, with bottle holders	S	S	S	S
Rear door pockets	S	S	S	S
Sunglass storage in glove compartment	S	S	S	S
Sun visors				
Driver and passenger double sun visors	S	S	S	S
Sunroof				
Panoramic glass sunroof, electrically slide and tilt adjustable front half section with electrically operated (perforated) sunblind and integrated wind deflector	—	—	O	O
Tailgate				
Automatic opening and closing of the tailgate via key remote and button on tailgate	—	S	S	S
Released electrically via switch on driver's door	S	S	S	S
Loading sill protection – stainless steel	S	S	S	S
Trip computer				
Multi-Function Display (MFD Premium) 7" colour large format display screen – trip time, trip length, average speed, distance to empty, average and current fuel consumption, outside air temperature, speed warning system, audio system display, telephone menu and gear position, warning lights for open tailgate and doors	S	S	S	S
Upholstery				
Vienna leather appointed seat upholstery*	S	S	—	—
Nappa leather appointed seat upholstery*	—	—	S	—
Two colour Nappa leather appointed seat upholstery* with R-Line stitched logo on front driver and passenger head restraints	—	—	—	S
*Leather appointed seats have a combination of genuine and artificial leather, but are not wholly leather				
Vanity mirrors				
Illuminated on driver's and passenger's side	S	S	S	S
Wipers				
2 speed wash/wipe windscreen wipers	S	S	S	S
Heated washer jets	S	S	S	S
Rain sensor with 4 position sensitivity	S	S	S	S
Rear window with wash/wipe & intermittent wipe	S	S	S	S

Comfort and Convenience (continued)	150TDI	150TDI Element	V6 TDI	V8 TDI R-Line
Windows				
Power front / rear, with roll-back function, driver with one-touch up - down	S	S	S	S
Remote operated convenience close and open feature	S	S	S	S
12V socket				
Centre console, front and rear	S	S	S	S
Luggage area	S	S	S	S

Optional Package

Driver Assistance package

Adaptive Cruise Control (ACC)*				
Front Assist function and City Emergency brake (City EB)* function				
Heated, multi-function leather steering wheel			0	
Lane Assist, lane departure warning system*	—	—		—
Proactive occupant protection system				
Side Assist, lane changing assistant*				

*Safety technologies are not a substitute for the driver's responsibility of the vehicle.

S Standard P Part of Optional Pack O Optional Extra A Volkswagen Genuine Accessory (Dealer fitted) — Not available

Technical Specifications

	150TDI 150TDI Element	V6 TDI	V8 TDI R-Line
Engine	3.0 litre V6 TDI BlueMotion Technology	3.0 litre V6 TDI BlueMotion Technology	4.2 litre V8 TDI
Type	6 cyl 'V' turbo diesel with engine Start/Stop system*	6 cyl 'V' turbo diesel with engine Start/Stop system*	8 cyl 'V' turbo diesel
Installation	Front longitudinal	Front longitudinal	Front longitudinal
Cubic capacity, litres/cc	3.0/2967	3.0/2967	4.2/4134
Bore/stroke, mm	83.0/91.4	83.0/91.4	83.0/95.5
Max power, kW @ rpm	150 @ 3200–4000	180 @ 4000–4400	250 @ 4000
Max torque, Nm @ rpm	450 @ 1250–2750	550 @ 1750–2250	800 @ 1750–2750
Compression ratio	16.8:1	16.8:1	16.4:1
Fuel system	Bosch Common rail	Bosch Common rail	Bosch Common rail
Ignition system	Compression	Compression	Compression
Exhaust emission control	Exhaust gas recirculation, oxidation catalytic converter, diesel particulate filter	Exhaust gas recirculation, oxidation catalytic converter, diesel particulate filter	Exhaust gas recirculation, oxidation catalytic converter, diesel particulate filter
Fuel type (recommended)	Diesel DIN EN 590	Diesel DIN EN 590	Diesel DIN EN 590
Transmission	4MOTION all-wheel-drive	4MOTION all-wheel-drive	4MOTION all-wheel-drive
Gearbox	8 speed automatic transmission with Tiptronic function, sports mode and Coasting Function	8 speed automatic transmission with Tiptronic function, sports mode and Coasting Function	8 speed automatic transmission with Tiptronic function, sports mode
Performance#			
0 – 100 km/h	8.5	7.6	5.8
Fuel consumption **			
Combined, L/100km	7.2	7.4	9.2
Urban, L/100km	8.4	8.6	12.0
Extra Urban, L/100km	6.5	6.7	7.5
CO ₂ emission g/km	190	196	242
Fuel tank capacity, Litres	85	100	100

* The Start/Stop system is designed to reduce fuel consumption and CO₂ emissions. It achieves this by automatically switching off the engine while the vehicle is stationary and then starting it again automatically when the driver wants to drive off. There are certain operating conditions where the Start/Stop system is deactivated (e.g. during engine warm-up), please refer to the owner's manual for full operating information.

Please note figures are sourced from overseas data where equipment levels by model variant may vary.

** Fuel consumption figures according to Australian Design Rule (ADR) 81/02 derived from laboratory testing. Factors including but not limited to driving style, road and traffic conditions, environmental influences, vehicle condition and accessories fitted, will in practice in the real world lead to figures which generally differ from those advertised. Advertised figures are meant for comparison amongst vehicles only.

Technical Specifications

	150TDI 150TDI Element	V6 TDI	V8 TDI R-Line
Running gear			
Steering	Hydraulic power assisted rack and pinion steering		
Turning circle, m	11.9		
Brake systems	Anti-lock Braking System (ABS) with Electronic Brake-pressure Distribution (EBD), Brake Assist and Electronic Stabilisation Program (ESP)		
Brakes			
Front	Ventilated discs		
Rear	Ventilated discs		
Suspension			
Front axle	Double wishbones, aluminium upper control arms and steel triangulated lower wishbone. Anti-roll bar.		
Rear axle	Double wishbones with two split forged aluminium upper control arms steel triangulated lower wishbones. Anti-roll bar.		
Air suspension with adaptive damping control	V6 TDI and V8 TDI R-Line 3 damper settings: Automatic, Sport [†] & Comfort Variable ride height: Loading level 147mm Road level 197mm Off-road level 247mm Extra level 300mm <small>‡ Suspension height is automatically reduced to 172mm. † V8 TDI R-Line Air suspension with sport enhancements.</small>		
Weights			
Tare weight kg	2146	2159	2287
Towing capacity kg*			
braked [#]	3500	3500	3500
Unbraked	750	750	750
Towbar load limit kg	280	280	280
Max. roof load kg	100	100	100
Exterior dimensions			
Overall length mm	4801	4801	4801
Width mm	1940	1940	1965
Height mm	1732	1732	1742
Wheelbase mm	2904	2904	2904
Track mm			
front [^]	1650	1642	1638
rear [^]	1670	1662	1658

[#] Please note Volkswagen Group Australia does not endorse or will not be held liable for any claim, loss or damage arising from the use or fitment of electronic trailer brakes.

* With trailer brakes up to a gradient of 12%.

[^] Track figures are based on vehicles fitted with specified standard wheels.

Technical Specifications

	150TDI 150TDI Element	V6 TDI	V8 TDI R-Line
Luggage area dimensions#			
Luggage area volume, L			
rear seat upright	580	580	580
rear seat folded	1642	1642	1642
Luggage area floor length, mm			
rear seat upright	974	974	974
rear seat folded	1814	1814	1814
Luggage area height, mm	866	866	866
Luggage area width, mm			
Minimum	1158	1158	1158
Maximum	1189	1189	1189

	150TDI 150TDI Element	V6 TDI	V8 TDI R-Line
Off-road dimensions			
Approach angle	Steel Spring Suspension 25 Degrees	Air Suspension 27 Degrees	Air Suspension 27 Degrees
Departure angle	25 Degrees	27 Degrees	27 Degrees
Break over/Ramp angle	20 Degrees	22 Degrees	22 Degrees
Ground clearance	205mm	233mm	233mm
Wading depth	500mm	580mm	580mm
Maximum gradability	31 Degrees	31 Degrees	31 Degrees
Maximum lateral slope angle	35 Degrees	35 Degrees	35 Degrees

Please note figures are sourced from overseas data where equipment levels by model variant may vary.

Colour and Upholstery Combinations

Seat Upholstery	Exterior Colours					
	Deep Black Pearl Effect	Pure White	Canyon Grey Metallic	Tungsten Silver Metallic	Light Silver Metallic	Moonlight Blue Pearl Effect
150TDI						
150TDI Element						
Black – Vienna leather appointed seat upholstery*	S	S	S	S	S	S
V6 TDI						
Black – Nappa leather appointed seat upholstery*	S	S	S	S	S	S
Corn Silk Beige – Nappa leather appointed seat upholstery*	S	S	S	S	S	S
V8 TDI R-Line						
Flint Grey / Black – Nappa Leather appointed seat upholstery*	S	S	S	—	S	S

*Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather
Please note Metallic (M) and Pearl Effect (PE) paint are optional at extra cost on 150TDI, V6 TDI.

Glossary

4MOTION

The power of the Touareg engine is transmitted to the wheels via the permanent 4MOTION all-wheel drive system. This flow of power is handled by a Torsen transfer box to direct drive to the wheels where required to provide the best possible traction at all road speeds, in all weather and road conditions.

Adaptive Cruise Control (ACC)*

Adaptive Cruise Control (ACC) is an extension of the conventional cruise control system with advanced capabilities based on radar sensors, multi-function camera and parking distance sensors. When ACC is activated, the vehicle automatically brakes and accelerates in a speed and distance set by the driver.

If the Touareg approaches a slower vehicle, the ACC brakes the car to the same speed and maintains the pre-selected distance. Even when a vehicle pulls into the same lane in front of you or slows, your vehicle is automatically decelerated to the pre-selected distance. If the vehicle ahead moves out of your lane, the Touareg then accelerates up to the preset desired speed.

Deceleration of the vehicle may take place via intervention in the engine management system. If deceleration via engine torque is not sufficient, brake intervention takes place, braking the vehicle to a standstill if the traffic situation necessitates. ACC will reactivate automatically if the traffic moves within 2 seconds, otherwise the driver can reactivate the system by depressing the accelerator pedal.

Adaptive Cruise Control (ACC) cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles. The ACC system does not react to stationary obstacles and oncoming vehicles. The ACC system should not be used on winding roads or in adverse weather conditions such as heavy rain.

Anti-lock Braking System (ABS)

When braking, wheel speed sensors measure the road wheel speed and should one or more wheels start to lock the ABS system reduces brake pressure to that wheel. This prevents the wheels from locking during heavy or emergency braking, enabling the vehicle to remain steerable.

Anti-lock Braking System (ABSplus)

In addition to the functionality of ABS, when the off road function is selected via the centre console dial the ABSplus is activated. If loose surfaces are registered, wheel lock forms a wedge in front of the wheels significantly shortening braking distances in off-road conditions.

Auto Hold

When activated, as soon as the vehicle comes to a complete stop, the ABS hydraulic unit stores the vehicles final braking pressure. So even when you take your foot off the brake pedal, all four wheels brakes remain applied, preventing the vehicle from rolling away without having to depress the footbrake providing increased comfort in stationary traffic. This function is released automatically when you drive off again.

Electronic Brake-pressure Distribution (EBD)

Electronic, more sophisticated means of regulating the ratio of front/rear brake pressure. Settings are varied according to driving and load conditions to ensure each wheel is braked to the optimum extent.

Brake Assist

During emergency braking, Brake assist aids the driver by increasing the brake pressure automatically to a level exceeding the locking limit. The ABS is thus quickly brought into the operating range, which enables maximum vehicle deceleration to be achieved.

Electronic Differential Lock (EDL)

EDL improves driving and steering characteristics when accelerating on road surfaces where each wheel has a different degree of traction. The system operates automatically and is combined with the ABS system.

Using the ABS wheel sensors, EDL monitors the speed of the individual driving wheels. When a difference in driving wheel speed is detected (i.e. when one wheel starts to spin due to differences in road surfaces, e.g. due to water or dirt) the system brakes the spinning wheel, transferring engine power to the wheel with the best traction. EDL is active on both axles in forward and reverse and operates up to 40km/h.

Anti-Slip Regulation (ASR)

ASR is a switchable traction control system that prevents the wheels from spinning under acceleration by reducing engine torque. It is active at speeds above 40km/h.

Glossary

Coasting Function[^]

While driving, as the driver's foot is taken off the accelerator pedal the engine is declutched, allowing the vehicle to coast and roll over a longer distance. The momentum of the vehicle is used to save fuel with a foresighted driving style. When the brake, accelerator pedal or the gear selector lever is operated, the clutch is re-engaged and engine braking / drive takes effect. Coasting Function can be selected or deselected via the multifunction display settings. The gear selector lever is required to be in the D position to be functional.

Electronic Stabilisation Program (ESP)

ABS, EDL and ASR traction control systems are integrated into the Electronic Stabilisation Program (ESP). In short, ESP helps ensure that the vehicle goes where you steer it even in extreme driving conditions. The ESP system constantly compares the actual movement of the vehicle with pre-determined values and should a situation arise where the vehicle starts to skid, ESP will apply the brakes to individual wheels and automatically adjust the engine's power output to correct the problem. ESP prevents the vehicle from losing control when trying to avoid an accident, for example. It also reduces the effects of understeer or oversteer.

Engine Braking Control (EBC)

Prevents the driven wheels from locking if the accelerator is lifted very suddenly or the vehicle is braked sharply because a low gear is engaged.

Fatigue Detection

The driver Fatigue Detection system automatically analyses the driving characteristics and if they indicate possible fatigue, recommends that the driver takes a break. The system continually evaluates steering wheel movements along with other signals in the vehicle on motorways and others roads at speeds in excess of 65 km/h, and calculates a fatigue estimate.

If fatigue is detected, the driver is warned by information in the Multi-function Display (MFD Premium) and an acoustic signal. The warning is repeated after 15 minutes if the driver has not taken a break.

Fatigue Detection cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and therefore determining whether or not they are fit to drive. A driving time of 15 minutes is required in order to assess the driver correctly. The functionality of the system is restricted given a sporty driving style, winding roads and poor road surfaces.

Front Assist with City Emergency Brake (City EB) function*

Above 30km/h, the Front Assist ambient traffic monitoring system uses a radar sensor to detect critical distance situations and thus help to shorten the braking distance, reducing the risk of a rear-end collision.

The traffic ahead is monitored constantly by the radar at the front. If a vehicle is detected ahead of you in the lane, the distance and the speed relative to it are calculated. If the gap is closing too fast, Front Assist initially warns the driver by means of an audible as well as a visual signal. At the same time, the brake pads are brought into contact with the brake discs and the sensitivity of the Brake Assist is increased. This primes the braking system for a possible emergency stop. If the situation escalates, the Front Assist function provides automatic braking and/or boosting of the driver's braking force up to maximum braking in critical situations in an attempt to reduce the impact severity.

The City Emergency Brake (City EB) function is a radar based emergency braking system designed to help a driver avoid a low-speed crash or to reduce its severity. At vehicle speeds below 30km/h, City EB monitors the area ahead of the car for vehicles which might present a threat of collision. If a collision is likely, City Emergency Braking first pre-charges the brakes and makes the emergency Brake Assist system more sensitive: if the driver should notice the risk, the car is ready to respond more quickly to their braking action.

However, if the driver still takes no action and a collision becomes imminent, City Emergency Braking independently applies the brakes very hard. If the driver intervenes to try to avoid the accident, either by accelerating hard or by steering, City EB will deactivate and allow the driver to complete the avoidance manoeuvre.

Front Assist with City Emergency Brake (City EB) cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles.

Hill Descent Assist

Hill Descent Assist supports the driver when driving down a steep incline at the speed elected by the driver by means of actively controlled brake applications. Hill Descent Assistance will only operate when off road mode is activated, speeds are lower than 30km/h, the gradient is greater than 10%, the engine is running and the accelerator and brake pedals are not pressed.

Glossary

Hill Hold Assist

The Hill Hold Assist function comes into effect when stationary on steep inclines, utilising the transmission as necessary to prevent the vehicle rolling back.

Lane Assist*^

Lane Assist is a lane departure warning system that is designed to help reduce the likelihood of the vehicle leaving the road or crossing into an oncoming lane and therefore the risk of accident as a result of driver distraction or a lapse in concentration.

The Lane Assist system monitors the road ahead with the aid of a multi-function camera (located near the interior rear-view mirror) which recognises lane markings and evaluates the position of the vehicle. If the vehicle starts to leave the lane, the driver is warned about the situation by a steering wheel vibration.

Lane Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and therefore staying in the lane at all times. The system will not work if there are no recognisable lane markings. The camera vision can be reduced by rain, snow, heavy spray or oncoming lights. This and vehicles in front of you can lead to the lane markings not being recognised by the Lane Assist system. The Lane Assist system does not activate at a vehicle speed of less than 65km/h.

Multi-collision brake

The multi-collision brake has been designed to provide effective assistance for the driver in the moments after an accident. Multi-collision brake triggers automatic controlled braking once an initial collision has been detected so as to reduce the intensity of further accidents after a collision and can help prevent follow-on collisions with oncoming traffic.

The triggering of the multi-collision brake is based on a collision being detected by the airbag sensors. The ESP control unit limits the deceleration of the vehicle by the multi-collision brake to a defined value and vehicle speed. The vehicle can still be controlled by the driver, even when automatic braking is taking place. The driver can interrupt the multi-collision braking at any time by accelerating or braking even more strongly.

Proactive occupant protection system*

The proactive occupant protection system incorporates active and passive safety elements. When the system detects a potential accident situation, the occupants and the vehicle are prepared for a possible accident. Automatic tensioning of the safety belts secures the driver and front passenger in their seats to attain the best possible protective potential of the airbag and belt system. In case of high transverse dynamics the side windows and optional panoramic sunroof are also closed, leaving just a small air gap. Closing of the windows offers optimal support to the head and side airbags which results in the best possible protection.

Side Assist*

Side Assist, is a lane change assistant detects vehicles on the right and left hand side of the lane, in the blind spot and those vehicles coming nearer behind. The system informs with a warning light in the exterior mirror whenever a detected vehicle is close and a lane change would be dangerous. If the driver sets the indicator, the warning light begins to flash.



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24 Muir Road Chullora NSW 2190
ABN 14 093 117 876

Produced in Australia
September 2016

Publication: VWPTOUSPECMY17

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